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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/682,465 | 10/09/2003 | Kun-Chang Chang | 251210-1430 | 9195 |

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EXAMINER

EDWARDS JR, TIMOTHY

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2612

DATE MAILED: 06/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/682,465

Applicant(s)

CHANG ET AL.

Examiner

Timothy Edwards, Jr.

Art Unit

2612

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 October 0903.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7-17 is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1,2,6 are rejected under 35 U.S.C. 102(b) as being anticipated by Hayes, Jr. et al '047.

Considering claim 1, Hayes discloses a method of command entry for an electronic device comprising a) pressing a single button to enter the electronic device into a multi-function entry state (see col 2, lines 3-12 and lines 45-55, col 5, lines 19-28, and abstract); b) directing a light indicator to display a first light status corresponding to the multi-function entry state (see col 2, lines 56-65); c) inputting a command to the electronic device by pressing the button again within a first predetermined period (see col 2, line 66 to col 3, line 15 and col 9, lines 24-50).

Considering claim 2, Hayes discloses the limitation of this claim (see col 8, lines 54-63).

Considering claim 6, Hayes discloses the limitation of this claim (see col 3, lines 12-15 and col 8, lines 54-63).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 3,4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hayes.

Considering claim 3, Hayes does not specifically recite entering into a multi-function entry state by continuously pressing the button. Hayes discloses in col 6, lines 1-13 the use of different type of activation means to enter his device into a multi-function entry state. Therefore, it would have been obvious to one of ordinary skill in the art to modify the multi-function activation button of the Hayes system to be a button which is continuously pressed because Hayes suggests the use of different type of activation means to enter his device into a multi-function entry state and the use of different control circuits to process the output signal of the multi-function activation button.

Considering claim 4, Hayes does not specifically recite the light indicator displays a first color in the first light status. Hayes discloses the highlighting an object of a plurality of objects displayed in response to the activation of the multi-function button (col 2, lines 56-65). One of ordinary skill in the art would readily recognize the use of color to illuminate one of a plurality of multi-function objects is well known in the art in that this

would assist in recognizing the desired function. This limitation is within the scope of the Hayes system because Hayes discloses the desire to highlighting an object of a plurality of function objects displayed.

5. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hayes as applied to claim 1 above, and further in view of Schultz '120.

Considering claim 5, Hayes does not specifically recite the light indicator continuously blinks in the first light status. Hayes discloses the highlighting an object of a plurality of objects displayed in response to the activation of the multi-function button. Schultz teaches a light indicator which continuously blinks to indicate a selected function of a plurality of functions. Therefore, it would obvious to one of ordinary skill in the art to continuously blink a selected item in the Hayes system as taught by Schultz because Hayes discloses the desire to highlighting an object of a plurality of function objects displayed.

Allowable Subject Matter

6. Claims 7-17 are allowed.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Fuka '425 and Hennige '311 disclose the use of a single actuator to enter a device into a multi-function entry state.

Any inquiry concerning this communication should be directed to Examiner Timothy Edwards, Jr. at telephone number (571) 272-3067. The examiner can normally be reached on Monday-Thursday, 8:00 a.m.-6:00 p.m. The examiner cannot be reached on Fridays.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wendy Garber, can be reached at (571) 272-7308.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-4700, Mon-Fri., 8:30 a.m.-5:00 p.m.

Any response to this action should be fax to:

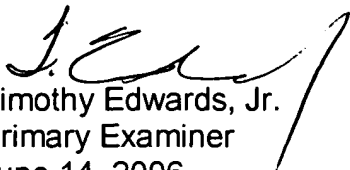
(571) 273-8300 (for formal communications intended for entry).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov> or contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Timothy Edwards, Jr.
Primary Examiner
June 14, 2006